*Monthly*Focus

News from the DEVCOM Army Research Laboratory

AI research strengthens certainty in battlefield decision–making

A new framework for neural networks' processing enables artificial intelligence to better judge objects and potential threats in hostile environments. https://www.army.mil/article/249169

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Army researchers demonstrate distributed virtual testing ground

The U.S. Army launched a virtual testing ground to rapidly facilitate and converge emerging capabilities experimentation in real-time.
https://www.army.mil/article/249319

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Researchers better understand human–machine relationships

Researchers developed a theoretical construct for human relationships with artificial intelligence and other smart technologies that proposes a new vision for more compatible team-like partnerships. https://www.army.mil/article/249300

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Turning thermal energy into electricity could help Soldiers

Army-funded research demonstrated a new approach to turning thermal energy into electricity that could provide compact and efficient power for Soldiers on future battlefields. https://www.army.mil/article/249779

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Building the DEVCOM Shared Understanding!

Army award-winning research to transform Soldier-robot communication

Army researchers developed ground-breaking technology that will enhance how Soldiers and robots communicate and carry out tasks in tactical environments. https://www.army.mil/article/248924

Leaping squirrels could help scientists develop more agile robots

Understanding the split-second decisions squirrels make as they jump from tree branch to tree branch will help scientists develop more agile robots. https://www.army.mil/article/249468

Army science, technology leaders tour laboratory

Military leaders from the organization responsible for Army science and technology met with researchers and engineers for briefings, tours and a town hall meeting Aug. 23, 2021. https://www.army.mil/article/249705

Army lab gets green light for supercomputing project

The U.S. Department of Defense High Performance Computing Modernization Program announced its selection of an Army supercomputing project for fiscal 2022. https://www.army.mil/article/249662

Gene editing could render mosquitos infertile, reducing disease spread

New U.S. Army-funded research uses gene editing to render certain male mosquitoes infertile and slow the spread of these diseases. https://www.army.mil/article/249572

Senior NCOs visit the Army's research laboratory

A group of senior enlisted advisors met with Army researchers during a laboratory tour Aug. 31, 2021. https://www.army.mil/article/249877